



CALIFORNIA

Agricultural Bulletin

EDD Employment
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State of California

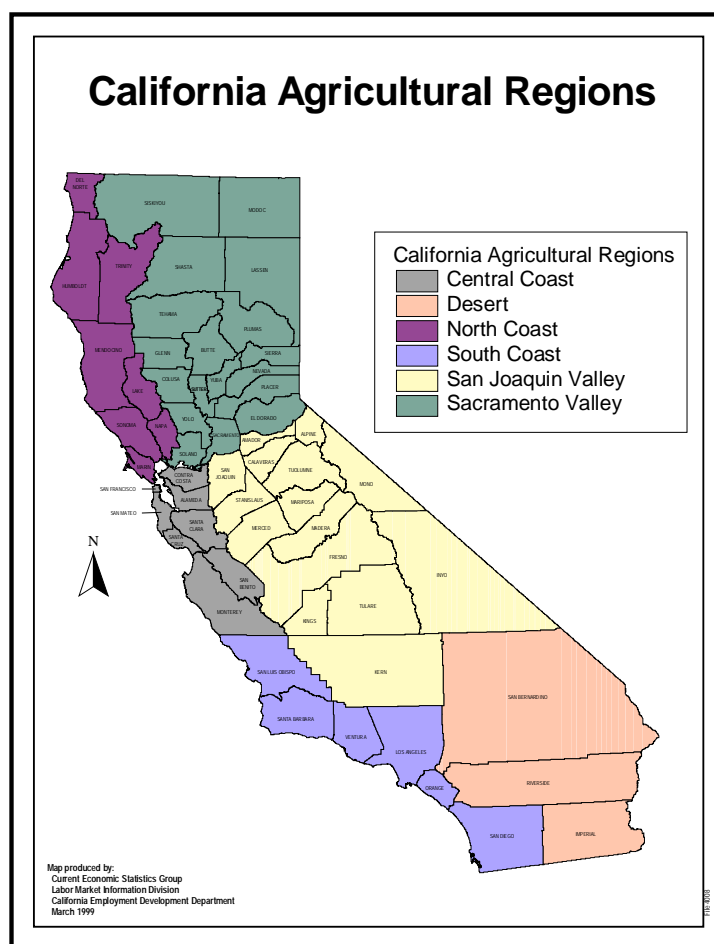
December 1999
(Internet Version)

Agricultural Overview

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This bulletin covers 27 agricultural industries in the State of California. The number of industries ranges from five to seventeen within each of the six geographic regions. The regions are the San Joaquin Valley, South Coast, Desert, Central Coast, Sacramento Valley, and North Coast (refer to map for details).



The data are organized into the following tables by state and region:

- Wage and Salary Workers
- Average Hourly Earnings

LMID
Labor Market Information Division
"Your Information Source"

Introduction

The California Agricultural Bulletin is produced by the Employment Development Department (EDD) in cooperation with the U.S. Department of Agriculture and through a grant from the U.S. Department of Labor. Because of changes in sampling and estimating procedures, farm employment data published by EDD prior to January 1997 may not be strictly comparable to current estimates.

Summary

Employment

California agricultural employment for December 1999 decreased by 68,400 jobs from the previous month and registered a loss of 19 percent. Decreases were registered in both Agricultural Production and Agricultural Services, which is normal as some agricultural activities are curtailed due to changes in weather conditions. The change in California agricultural employment from November 1998 to December 1998 was a decrease of 63,200 jobs. The December 1998 freeze occurred after the reporting period and is not reflected in the employment level for that month. From November 1999 to December 1999, Production/Crops registered a decrease of 37,000 jobs, a loss of 20 percent. Production/Livestock decreased by 3,500 jobs, a drop of 15 percent. Agricultural Services registered a decrease of 27,900 jobs, a loss of 20 percent. Total California agricultural employment for December 1999 decreased 24,000 jobs from the level of the previous year.

Other Cash Grain crops registered the highest rate of employment change, statewide, with a decrease of 77 percent for the month. Other Fruit and Nut crops, with a decrease of 55 percent, also registered significant change. Grapes, Tree Nuts, Citrus Fruits, Deciduous Tree Fruit, Turkey and Turkey Eggs, and Beef Cattle Feed Lots registered increases for the month while all other crops and services posted declines.

Production and Crop Activity

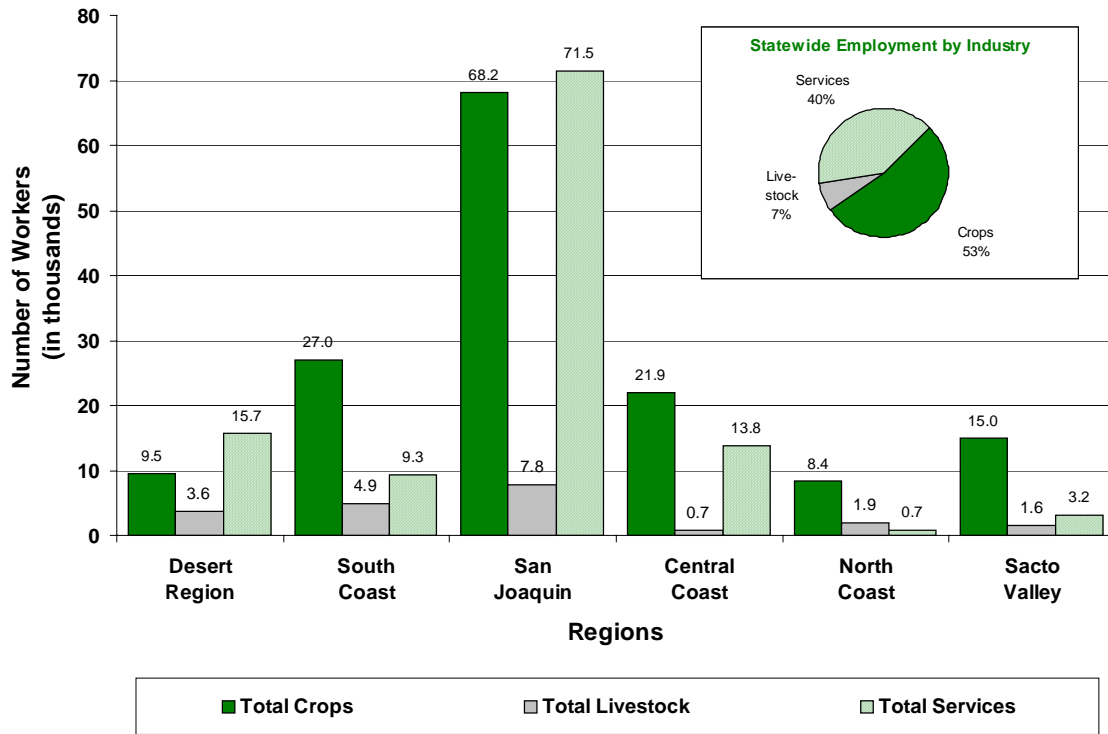
Field activities, in most areas, progressed normally under favorable conditions throughout the month. Irrigation was ongoing and workers were actively involved with fertilizer applications. Growers of small grains and row crops, in some areas, delayed planting until the rains began. Some coastal valley wheat fields had to be re-seeded due to a lack of moisture. The cotton and corn silage harvests and the plowdown of harvested fields were virtually completed. In most areas, the harvesting of summer and fall vegetables was also completed. Field workers were dismantling trellises, pulling stakes, and tilling ground where summer vegetables were grown. Sugarbeet growers in the San Joaquin Valley placed mylar streamers in fields to prevent bird damage. In the Sacramento Valley, sugarbeets were sprayed for weeds. Strawberry, alfalfa, and fallow fields were also sprayed for weeds. Some older alfalfa fields were ripped out and readied for spring planting. Work crews planted red onions and harvested a variety of crops including: green beans, carrots, beets, mushrooms, kale, squash, cherry tomatoes, green onions, cabbage, radishes, turnips, parsley, mint, cilantro, and peas.

Orchards and vineyards were irrigated due to a lack of rain. Picking of grapefruit and lemon crops was active in southern California while the harvest of navel oranges gained momentum in the San Joaquin Valley. Kiwifruit and persimmon harvests were also active. Fruit and nut growers were fumigating ground for new plantings of peach, prune, walnut, and almond trees. Following completion of the grape harvest, vineyards were being prepared for winter as growers were pruning vines, tying canes, and spraying or cultivating for weed control.

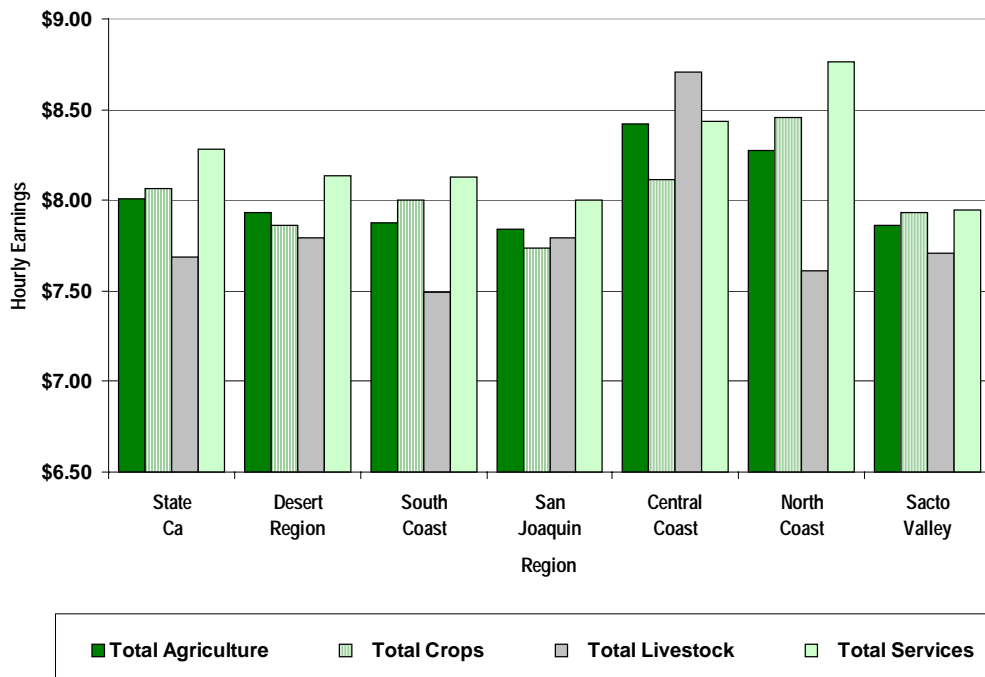
Hay and nutrient supplements were fed to cattle and some late calving and lambing was reported. Beekeepers in northern California stockpiled bees from other states in preparation for the blooming of almond trees.

Agricultural Summary Charts

Wage and Salary Workers



Average Hourly Earnings



CALIFORNIA AGRICULTURAL EMPLOYMENT

Wage and Salary Workers (In Thousands)

Industry	Dec 1999	Nov 1999	Dec 1998
Total Agriculture	284.7	353.1	308.7
Total Agricultural Production/Crops	150.0	187.0	159.5
Cash Grains	1.2	3.7	1.8
Rice	0.5	0.6	1.1
Other Cash Grains	0.7	3.1	0.7
Field Crops Except Grains	7.2	10.9	10.6
Cotton	2.4	2.5	6.5
Other Field Crops	4.8	8.4	4.1
Vegetables and Melons	33.9	44.3	29.2
Total Fruits and Tree Nuts	54.3	61.9	68.8
Berries	5.3	9.3	9.8
Grapes	25.1	24.5	30.1
Tree Nuts	8.7	6.4	6.9
Citrus Fruits	1.6	1.4	4.4
Deciduous Tree Fruit	7.3	6.4	9.0
Other Fruits & Nuts	6.3	13.9	8.6
Total Horticultural Specialties	36.8	38.1	28.2
Ornamental Floral & Nursery	33.0	33.8	26.7
Food Crops Grown Under Cover	3.8	4.3	1.5
General Farm Primarily Crop	16.6	28.1	20.9
Agricultural Production/Livestock	20.5	24.0	26.0
Beef Cattle Feed Lots	1.1	1.0	0.4
Beef Cattle Except Feed Lots	3.2	3.6	3.2
Dairy Farms	8.1	10.6	11.6
Chicken Eggs	2.4	3.0	3.9
Turkey & Turkey Eggs	0.3	0.1	0.9
Other Livestock	5.4	5.7	6.0
Total Agricultural Services	114.2	142.1	123.2
Soil Preparation Services	0.1	0.6	1.3
Crop Services	31.5	45.7	38.4
Plant Cultivate & Protection	5.8	7.0	4.0
Harvest Primarily by Machine	2.2	3.4	5.7
Preparation Services for Market	21.8	33.5	27.1
Cotton Ginning	1.7	1.8	1.6
Total Farm Labor & Management	82.6	95.8	83.5
Farm Labor Contractors	77.5	86.9	75.8
Farm Management Services	5.1	8.9	7.7

Average Hourly Earnings (In dollars per hour)

Industry	Dec 1999	Nov 1999	Dec 1998
Total Agriculture	8.01	8.12	7.77
Total Agricultural Production/Crops	8.06	8.03	7.41
Cash Grains	8.76	8.71	7.41
Rice	8.96	8.86	7.60
Other Cash Grains	8.56	8.56	7.22
Field Crops Except Grains	8.24	8.07	6.92
Cotton	7.90	7.64	6.74
Other Field Crops	8.58	8.50	7.10
Vegetables and Melons	7.85	8.04	7.93
Total Fruits and Tree Nuts	7.63	7.68	7.14
Berries	6.97	7.08	6.81
Grapes	7.61	7.84	7.39
Tree Nuts	7.74	7.60	7.41
Citrus Fruits	7.52	8.00	7.14
Deciduous Tree Fruit	7.82	7.47	6.99
Other Fruits & Nuts	8.11	8.11	7.09
Total Horticultural Specialties	8.35	8.30	8.20
Ornamental Floral & Nursery	8.20	8.22	8.06
Food Crops Grown Under Cover	8.50	8.39	8.34
General Farm Primarily Crop	7.55	7.40	6.89
Agricultural Production/Livestock	7.69	7.84	7.55
Beef Cattle Feed Lots	7.78	7.93	7.03
Beef Cattle Except Feed Lots	7.68	7.72	8.21
Dairy Farms	7.56	8.05	7.99
Chicken Eggs	7.01	6.87	6.83
Turkey & Turkey Eggs	7.78	7.95	6.98
Other Livestock	8.32	8.52	8.25
Total Agricultural Services	8.28	8.49	8.35
Soil Preparation Services	8.28	8.91	8.97
Crop Services	8.51	8.59	8.44
Plant Cultivate & Protection	8.30	8.54	8.61
Harvest Primarily by Machine	8.65	8.38	8.25
Preparation Services for Market	8.08	8.07	7.69
Cotton Ginning	9.02	9.39	9.22
Total Farm Labor & Management	8.05	7.97	7.65
Farm Labor Contractors	7.81	7.59	6.89
Farm Management Services	8.30	8.34	8.40

CENTRAL COAST AGRICULTURAL EMPLOYMENT

Wage and Salary Workers
(In Thousands)

Industry	Dec 1999	Nov 1999	Dec 1998
Total Agriculture	36.4	56.6	38.0
Total Agricultural Production/Crops	21.9	32.4	22.4
Cash Grains	0.0	0.0	0.0
Rice	0.0	0.0	0.0
Other Cash Grains	0.0	0.0	0.0
Field Crops Except Grains	0.9	2.4	0.1
Cotton	0.0	0.0	0.0
Other Field Crops	0.9	2.4	0.1
Vegetables and Melons	4.5	10.9	8.3
Total Fruits and Tree Nuts	3.5	5.8	3.6
Berries	1.2	3.4	2.0
Grapes	0.0	0.6	0.6
Tree Nuts	0.0	0.0	0.1
Citrus Fruits	0.0	0.0	0.0
Deciduous Tree Fruit	0.7	0.8	0.4
Other Fruits & Nuts	1.6	1.0	0.5
Total Horticultural Specialties	12.7	13.2	9.4
Ornamental Floral & Nursery	8.9	9.7	8.8
Food Crops Grown Under Cover	3.8	3.5	0.6
General Farm Primarily Crop	0.3	0.1	1.0
Agricultural Production/Livestock	0.7	0.2	0.9
Beef Cattle Feed Lots	0.0	0.0	0.0
Beef Cattle Except Feed Lots	0.0	0.0	0.4
Dairy Farms	0.0	0.0	0.0
Chicken Eggs	0.0	0.0	0.0
Turkey & Turkey Eggs	0.0	0.0	0.1
Other Livestock	0.7	0.2	0.4
Total Agricultural Services	13.8	24.0	14.7
Soil Preparation Services	0.1	0.1	0.3
Crop Services	5.9	9.8	7.0
Plant Cultivate & Protection	0.0	0.9	0.5
Harvest Primarily by Machine	0.2	2.0	1.7
Preparation Services for Market	5.7	6.9	4.8
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	7.8	14.1	7.4
Farm Labor Contractors	6.9	10.2	5.7
Farm Management Services	0.9	3.9	1.7

na = not available

Average Hourly Earnings
(In dollars per hour)

Industry	Dec 1999	Nov 1999	Dec 1998
Total Agriculture	8.42	8.37	8.10
Total Agricultural Production/Crops	8.11	8.02	7.81
Cash Grains	na	na	na
Rice	na	na	na
Other Cash Grains	na	na	na
Field Crops Except Grains	8.80	8.27	7.06
Cotton	na	na	na
Other Field Crops	8.80	8.27	7.06
Vegetables and Melons	8.65	8.56	8.70
Total Fruits and Tree Nuts	7.66	7.76	7.57
Berries	7.30	7.65	6.71
Grapes	na	8.21	7.24
Tree Nuts	na	na	7.78
Citrus Fruits	na	na	na
Deciduous Tree Fruit	7.48	7.17	8.06
Other Fruits & Nuts	8.20	8.01	8.08
Total Horticultural Specialties	8.44	8.49	8.46
Ornamental Floral & Nursery	8.37	8.45	8.42
Food Crops Grown Under Cover	8.50	8.52	8.50
General Farm Primarily Crop	7.01	7.01	7.26
Agricultural Production/Livestock	8.71	8.79	7.78
Beef Cattle Feed Lots	na	na	na
Beef Cattle Except Feed Lots	na	na	8.05
Dairy Farms	na	na	na
Chicken Eggs	na	na	na
Turkey & Turkey Eggs	na	na	6.89
Other Livestock	8.71	8.79	8.40
Total Agricultural Services	8.44	8.31	8.70
Soil Preparation Services	8.28	8.24	9.30
Crop Services	8.62	8.42	8.88
Plant Cultivate & Protection	na	8.21	8.69
Harvest Primarily by Machine	8.89	8.40	9.24
Preparation Services for Market	8.34	8.64	8.71
Cotton Ginning	na	na	na
Total Farm Labor & Management	8.42	8.27	7.93
Farm Labor Contractors	8.17	7.90	7.05
Farm Management Services	8.66	8.63	8.81

DESERT AGRICULTURAL EMPLOYMENT

Wage and Salary Workers (In Thousands)

Industry	Dec 1999	Nov 1999	Dec 1998
Total Agriculture	28.8	33.3	38.8
Total Agricultural Production/Crops	9.5	16.5	12.9
Cash Grains	0.0	1.0	0.1
Rice	0.0	0.0	0.0
Other Cash Grains	0.0	1.0	0.1
Field Crops Except Grains	1.7	2.2	1.1
Cotton	0.0	0.0	0.0
Other Field Crops	1.7	2.2	1.1
Vegetables and Melons	4.2	3.9	5.2
Total Fruits and Tree Nuts	1.6	3.1	3.1
Berries	0.0	0.0	0.0
Grapes	0.5	0.1	2.0
Tree Nuts	0.1	0.1	0.0
Citrus Fruits	0.1	0.1	1.1
Deciduous Tree Fruit	0.0	0.0	0.0
Other Fruits & Nuts	0.9	2.8	0.0
Total Horticultural Specialties	0.2	0.8	1.4
Ornamental Floral & Nursery	0.2	0.8	1.4
Food Crops Grown Under Cover	0.0	0.0	0.0
General Farm Primarily Crop	1.8	5.5	2.0
Agricultural Production/Livestock	3.6	4.0	6.7
Beef Cattle Feed Lots	0.0	0.0	0.0
Beef Cattle Except Feed Lots	1.7	1.5	0.5
Dairy Farms	1.5	1.3	1.7
Chicken Eggs	0.3	0.2	3.4
Turkey & Turkey Eggs	0.0	0.0	0.0
Other Livestock	0.1	1.0	1.1
Total Agricultural Services	15.7	12.8	19.2
Soil Preparation Services	0.0	0.0	0.2
Crop Services	3.8	3.5	6.1
Plant Cultivate & Protection	0.3	0.1	0.5
Harvest Primarily by Machine	0.0	0.1	1.6
Preparation Services for Market	3.3	2.8	4.0
Cotton Ginning	0.2	0.5	0.0
Total Farm Labor & Management	11.9	9.3	12.9
Farm Labor Contractors	11.6	8.9	12.3
Farm Management Services	0.3	0.4	0.6

na = not available

Average Hourly Earnings (In dollars per hour)

Industry	Dec 1999	Nov 1999	Dec 1998
Total Agriculture	7.93	8.02	7.66
Total Agricultural Production/Crops	7.86	7.90	7.19
Cash Grains	na	8.94	6.80
Rice	na	na	na
Other Cash Grains	na	8.94	6.80
Field Crops Except Grains	8.55	8.39	6.90
Cotton	na	na	na
Other Field Crops	8.55	8.39	6.90
Vegetables and Melons	7.03	7.22	7.37
Total Fruits and Tree Nuts	7.86	7.96	7.16
Berries	na	na	na
Grapes	7.52	7.74	7.14
Tree Nuts	8.26	7.63	na
Citrus Fruits	7.87	8.44	7.18
Deciduous Tree Fruit	na	na	na
Other Fruits & Nuts	7.77	8.03	na
Total Horticultural Specialties	8.08	8.10	7.61
Ornamental Floral & Nursery	8.08	8.10	7.61
Food Crops Grown Under Cover	na	na	na
General Farm Primarily Crop	7.80	6.77	7.30
Agricultural Production/Livestock	7.79	7.81	7.86
Beef Cattle Feed Lots	na	na	na
Beef Cattle Except Feed Lots	7.42	7.56	8.07
Dairy Farms	8.11	8.15	8.57
Chicken Eggs	7.08	6.83	6.95
Turkey & Turkey Eggs	na	na	na
Other Livestock	8.56	8.71	7.85
Total Agricultural Services	8.14	8.35	7.93
Soil Preparation Services	na	na	8.65
Crop Services	8.22	8.55	7.66
Plant Cultivate & Protection	8.18	8.90	8.62
Harvest Primarily by Machine	na	8.40	7.40
Preparation Services for Market	7.57	7.75	6.95
Cotton Ginning	8.91	9.16	na
Total Farm Labor & Management	8.06	8.16	7.50
Farm Labor Contractors	7.92	7.88	6.90
Farm Management Services	8.19	8.43	8.09

NORTH COAST AGRICULTURAL EMPLOYMENT

Wage and Salary Workers
(In Thousands)

Average Hourly Earnings
(In dollars per hour)

Industry	Dec 1999	Nov 1999	Dec 1998
Total Agriculture	11.0	12.3	12.7
Total Agricultural Production/Crops	8.4	8.4	9.5
Cash Grains	0.0	0.0	0.0
Rice	0.0	0.0	0.0
Other Cash Grains	0.0	0.0	0.0
Field Crops Except Grains	0.2	0.0	0.0
Cotton	0.0	0.0	0.0
Other Field Crops	0.2	0.0	0.0
Vegetables and Melons	2.2	0.8	1.4
Total Fruits and Tree Nuts	4.3	5.5	5.5
Berries	0.0	0.0	0.0
Grapes	4.1	4.9	5.0
Tree Nuts	0.0	0.0	0.1
Citrus Fruits	0.0	0.0	0.0
Deciduous Tree Fruit	0.2	0.6	0.3
Other Fruits & Nuts	0.0	0.0	0.1
Total Horticultural Specialties	0.2	0.9	2.5
Ornamental Floral & Nursery	0.2	0.1	2.1
Food Crops Grown Under Cover	0.0	0.8	0.4
General Farm Primarily Crop	1.5	1.2	0.1
Agricultural Production/Livestock	1.9	3.0	1.3
Beef Cattle Feed Lots	0.0	0.1	0.0
Beef Cattle Except Feed Lots	0.0	0.0	0.2
Dairy Farms	1.7	1.7	0.4
Chicken Eggs	0.0	0.7	0.0
Turkey & Turkey Eggs	0.0	0.0	0.1
Other Livestock	0.2	0.5	0.6
Total Agricultural Services	0.7	0.9	1.9
Soil Preparation Services	0.0	0.0	0.2
Crop Services	0.3	0.0	0.1
Plant Cultivate & Protection	0.0	0.0	0.0
Harvest Primarily by Machine	0.0	0.0	0.0
Preparation Services for Market	0.3	0.0	0.1
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	0.4	0.9	1.6
Farm Labor Contractors	0.0	0.0	0.4
Farm Management Services	0.4	0.9	1.2

Industry	Dec 1999	Nov 1999	Dec 1998
Total Agriculture	8.28	8.43	7.76
Total Agricultural Production/Crops	8.45	8.35	7.59
Cash Grains	na	na	na
Rice	na	na	na
Other Cash Grains	na	na	na
Field Crops Except Grains	8.92	na	na
Cotton	na	na	na
Other Field Crops	8.92	na	na
Vegetables and Melons	8.40	8.57	8.24
Total Fruits and Tree Nuts	8.63	8.30	7.40
Berries	na	na	na
Grapes	8.97	8.31	8.64
Tree Nuts	na	na	7.45
Citrus Fruits	na	na	na
Deciduous Tree Fruit	8.29	8.29	6.80
Other Fruits & Nuts	na	na	6.70
Total Horticultural Specialties	8.66	8.48	8.27
Ornamental Floral & Nursery	8.66	8.70	8.49
Food Crops Grown Under Cover	na	8.26	8.05
General Farm Primarily Crop	7.66	8.03	6.45
Agricultural Production/Livestock	7.61	7.88	7.70
Beef Cattle Feed Lots	na	8.17	na
Beef Cattle Except Feed Lots	na	na	8.25
Dairy Farms	7.04	7.83	7.04
Chicken Eggs	na	7.12	na
Turkey & Turkey Eggs	na	na	7.14
Other Livestock	8.18	8.41	8.35
Total Agricultural Services	8.77	9.06	8.01
Soil Preparation Services	na	na	9.12
Crop Services	8.47	na	7.46
Plant Cultivate & Protection	na	na	na
Harvest Primarily by Machine	na	na	na
Preparation Services for Market	8.47	na	7.46
Cotton Ginning	na	na	na
Total Farm Labor & Management	9.06	9.06	7.44
Farm Labor Contractors	na	na	6.61
Farm Management Services	9.06	9.06	8.27

na = not available

SOUTH COAST AGRICULTURAL EMPLOYMENT

Wage and Salary Workers
(In Thousands)

Average Hourly Earnings
(In dollars per hour)

Industry	Dec 1999	Nov 1999	Dec 1998
Total Agriculture	41.2	55.1	51.9
Total Agricultural Production/Crops	27.0	36.9	33.6
Cash Grains	0.0	0.0	0.1
Rice	0.0	0.0	0.0
Other Cash Grains	0.0	0.0	0.1
Field Crops Except Grains	0.2	0.7	0.4
Cotton	0.0	0.0	0.1
Other Field Crops	0.2	0.7	0.3
Vegetables and Melons	6.8	2.5	8.1
Total Fruits and Tree Nuts	7.0	14.1	13.1
Berries	4.1	5.9	6.8
Grapes	1.8	4.9	1.3
Tree Nuts	0.0	0.5	0.1
Citrus Fruits	0.2	0.4	1.4
Deciduous Tree Fruit	0.0	0.0	0.1
Other Fruits & Nuts	0.9	2.4	3.4
Total Horticultural Specialties	12.8	14.5	9.5
Ornamental Floral & Nursery	12.8	14.5	9.0
Food Crops Grown Under Cover	0.0	0.0	0.5
General Farm Primarily Crop	0.2	5.1	2.4
Agricultural Production/Livestock	4.9	4.7	2.8
Beef Cattle Feed Lots	0.0	0.0	0.0
Beef Cattle Except Feed Lots	0.2	0.0	0.3
Dairy Farms	0.0	0.2	0.6
Chicken Eggs	1.5	1.6	0.4
Turkey & Turkey Eggs	0.0	0.0	0.0
Other Livestock	3.2	2.9	1.5
Total Agricultural Services	9.3	13.5	15.5
Soil Preparation Services	0.0	0.1	0.1
Crop Services	0.3	2.7	2.8
Plant Cultivate & Protection	0.2	0.7	0.1
Harvest Primarily by Machine	0.1	0.0	0.5
Preparation Services for Market	0.0	2.0	2.2
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	9.0	10.7	12.6
Farm Labor Contractors	8.5	9.5	11.5
Farm Management Services	0.5	1.2	1.1

Industry	Dec 1999	Nov 1999	Dec 1998
Total Agriculture	7.87	8.17	7.85
Total Agricultural Production/Crops	8.00	8.06	7.30
Cash Grains	na	na	7.05
Rice	na	na	na
Other Cash Grains	na	na	7.05
Field Crops Except Grains	8.57	8.70	6.87
Cotton	na	na	6.75
Other Field Crops	8.57	8.70	6.98
Vegetables and Melons	7.93	8.57	7.74
Total Fruits and Tree Nuts	7.40	7.51	7.11
Berries	6.64	6.51	6.85
Grapes	7.04	7.57	6.89
Tree Nuts	na	7.32	7.25
Citrus Fruits	7.22	7.67	7.56
Deciduous Tree Fruit	na	na	6.86
Other Fruits & Nuts	8.69	8.48	7.26
Total Horticultural Specialties	8.29	8.29	8.05
Ornamental Floral & Nursery	8.29	8.29	7.62
Food Crops Grown Under Cover	na	na	8.48
General Farm Primarily Crop	7.82	7.22	6.97
Agricultural Production/Livestock	7.49	7.98	8.12
Beef Cattle Feed Lots	na	na	na
Beef Cattle Except Feed Lots	6.89	na	8.26
Dairy Farms	na	8.43	8.63
Chicken Eggs	6.86	6.49	6.89
Turkey & Turkey Eggs	na	na	na
Other Livestock	8.72	9.02	8.69
Total Agricultural Services	8.13	8.46	8.14
Soil Preparation Services	na	9.29	8.47
Crop Services	8.27	8.21	8.09
Plant Cultivate & Protection	8.26	8.41	8.47
Harvest Primarily by Machine	8.28	na	7.96
Preparation Services for Market	na	8.00	7.84
Cotton Ginning	na	na	na
Total Farm Labor & Management	7.99	7.89	7.85
Farm Labor Contractors	8.12	7.93	7.54
Farm Management Services	7.86	7.84	8.15

na = not available

SAN JOAQUIN AGRICULTURAL EMPLOYMENT

Wage and Salary Workers
(In Thousands)

Average Hourly Earnings
(In dollars per hour)

Industry	Dec 1999	Nov 1999	Dec 1998
Total Agriculture	147.5	171.9	147.1
Total Agricultural Production/Crops	68.2	77.4	66.9
Cash Grains	0.0	1.0	0.3
Rice	0.0	0.0	0.1
Other Cash Grains	0.0	1.0	0.2
Field Crops Except Grains	4.0	5.3	8.5
Cotton	2.4	2.5	6.4
Other Field Crops	1.6	2.8	2.1
Vegetables and Melons	12.0	18.0	3.5
Total Fruits and Tree Nuts	30.0	29.4	37.1
Berries	0.0	0.0	1.0
Grapes	18.7	13.7	20.1
Tree Nuts	3.5	4.7	4.1
Citrus Fruits	0.9	0.9	1.3
Deciduous Tree Fruit	4.6	3.9	7.1
Other Fruits & Nuts	2.3	6.2	3.5
Total Horticultural Specialties	9.7	8.1	4.0
Ornamental Floral & Nursery	9.7	8.1	4.0
Food Crops Grown Under Cover	0.0	0.0	0.0
General Farm Primarily Crop	12.5	15.6	13.5
Agricultural Production/Livestock	7.8	9.9	11.9
Beef Cattle Feed Lots	1.1	0.9	0.3
Beef Cattle Except Feed Lots	1.0	1.3	1.2
Dairy Farms	3.8	6.1	8.1
Chicken Eggs	0.6	0.5	0.1
Turkey & Turkey Eggs	0.3	0.1	0.4
Other Livestock	1.0	1.0	1.8
Total Agricultural Services	71.5	84.6	68.3
Soil Preparation Services	0.0	0.4	0.4
Crop Services	19.9	25.4	21.0
Plant Cultivate & Protection	4.8	5.0	2.7
Harvest Primarily by Machine	1.9	1.3	1.7
Preparation Services for Market	11.7	17.8	15.0
Cotton Ginning	1.5	1.3	1.6
Total Farm Labor & Management	51.6	58.8	46.9
Farm Labor Contractors	48.6	56.3	44.2
Farm Management Services	3.0	2.5	2.7

Industry	Dec 1999	Nov 1999	Dec 1998
Total Agriculture	7.84	8.01	7.90
Total Agricultural Production/Crops	7.73	7.79	7.32
Cash Grains	na	8.36	7.50
Rice	na	na	7.55
Other Cash Grains	na	8.36	7.45
Field Crops Except Grains	8.07	8.02	6.89
Cotton	7.90	7.64	6.72
Other Field Crops	8.23	8.40	7.05
Vegetables and Melons	7.65	7.67	7.73
Total Fruits and Tree Nuts	7.64	7.72	6.91
Berries	na	na	6.86
Grapes	6.91	7.66	6.96
Tree Nuts	7.30	7.97	6.90
Citrus Fruits	8.06	7.88	7.06
Deciduous Tree Fruit	7.94	7.08	6.76
Other Fruits & Nuts	8.00	8.02	6.89
Total Horticultural Specialties	7.66	7.55	8.13
Ornamental Floral & Nursery	7.66	7.55	8.13
Food Crops Grown Under Cover	na	na	na
General Farm Primarily Crop	7.65	7.43	6.75
Agricultural Production/Livestock	7.79	7.85	7.62
Beef Cattle Feed Lots	7.78	7.68	7.50
Beef Cattle Except Feed Lots	8.52	7.83	8.57
Dairy Farms	7.77	8.31	8.02
Chicken Eggs	7.09	7.05	6.65
Turkey & Turkey Eggs	7.78	7.95	6.99
Other Livestock	7.81	8.27	7.98
Total Agricultural Services	8.00	8.38	8.77
Soil Preparation Services	na	9.19	9.75
Crop Services	8.40	8.51	8.43
Plant Cultivate & Protection	8.27	8.48	8.71
Harvest Primarily by Machine	8.78	8.34	8.46
Preparation Services for Market	7.43	7.60	7.34
Cotton Ginning	9.12	9.61	9.22
Total Farm Labor & Management	7.61	7.44	8.14
Farm Labor Contractors	7.50	7.12	6.94
Farm Management Services	7.71	7.76	9.34

na = not available

SACRAMENTO VALLEY AGRICULTURAL EMPLOYMENT

Wage and Salary Workers (In Thousands)

Industry	Dec 1999	Nov 1999	Dec 1998
Total Agriculture	19.8	23.9	20.2
Total Agricultural Production/Crops	15.0	15.4	14.2
Cash Grains	1.2	1.7	1.3
Rice	0.5	0.6	1.0
Other Cash Grains	0.7	1.1	0.3
Field Crops Except Grains	0.2	0.3	0.5
Cotton	0.0	0.0	0.0
Other Field Crops	0.2	0.3	0.5
Vegetables and Melons	4.2	8.2	2.7
Total Fruits and Tree Nuts	7.9	4.0	6.4
Berries	0.0	0.0	0.0
Grapes	0.0	0.3	1.1
Tree Nuts	5.1	1.1	2.5
Citrus Fruits	0.4	0.0	0.6
Deciduous Tree Fruit	1.8	1.1	1.1
Other Fruits & Nuts	0.6	1.5	1.1
Total Horticultural Specialties	1.2	0.6	1.4
Ornamental Floral & Nursery	1.2	0.6	1.4
Food Crops Grown Under Cover	0.0	0.0	0.0
General Farm Primarily Crop	0.3	0.6	1.9
Agricultural Production/Livestock	1.6	2.2	2.4
Beef Cattle Feed Lots	0.0	0.0	0.1
Beef Cattle Except Feed Lots	0.3	0.8	0.6
Dairy Farms	1.1	1.3	0.8
Chicken Eggs	0.0	0.0	0.0
Turkey & Turkey Eggs	0.0	0.0	0.3
Other Livestock	0.2	0.1	0.6
Total Agricultural Services	3.2	6.3	3.6
Soil Preparation Services	0.0	0.0	0.1
Crop Services	1.3	4.3	1.4
Plant Cultivate & Protection	0.5	0.3	0.2
Harvest Primarily by Machine	0.0	0.0	0.2
Preparation Services for Market	0.8	4.0	1.0
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	1.9	2.0	2.1
Farm Labor Contractors	1.9	2.0	1.7
Farm Management Services	0.0	0.0	0.4

na = not available

Average Hourly Earnings (In dollars per hour)

Industry	Dec 1999	Nov 1999	Dec 1998
Total Agriculture	7.86	7.90	7.60
Total Agricultural Production/Crops	7.93	8.13	7.42
Cash Grains	8.76	8.62	7.61
Rice	8.96	8.86	7.65
Other Cash Grains	8.56	8.37	7.56
Field Crops Except Grains	8.42	8.75	7.50
Cotton	na	na	na
Other Field Crops	8.42	8.75	7.50
Vegetables and Melons	7.41	7.66	7.82
Total Fruits and Tree Nuts	7.51	7.59	6.96
Berries	na	na	na
Grapes	na	7.55	7.44
Tree Nuts	7.65	7.46	7.65
Citrus Fruits	6.92	na	6.77
Deciduous Tree Fruit	7.58	7.34	6.45
Other Fruits & Nuts	7.89	8.02	6.50
Total Horticultural Specialties	8.12	8.22	8.11
Ornamental Floral & Nursery	8.12	8.22	8.11
Food Crops Grown Under Cover	na	na	na
General Farm Primarily Crop	7.36	7.93	6.60
Agricultural Production/Livestock	7.71	7.74	7.49
Beef Cattle Feed Lots	na	na	6.55
Beef Cattle Except Feed Lots	7.89	7.76	8.06
Dairy Farms	7.31	7.54	7.68
Chicken Eggs	na	na	na
Turkey & Turkey Eggs	na	na	6.91
Other Livestock	7.93	7.93	8.24
Total Agricultural Services	7.95	7.82	7.90
Soil Preparation Services	na	na	8.51
Crop Services	8.54	8.54	8.18
Plant Cultivate & Protection	8.49	8.70	8.55
Harvest Primarily by Machine	na	na	8.17
Preparation Services for Market	8.59	8.37	7.83
Cotton Ginning	na	na	na
Total Farm Labor & Management	7.35	7.11	7.02
Farm Labor Contractors	7.35	7.11	6.29
Farm Management Services	na	na	7.75

DATA NOTES

Data Sources:

These data are obtained from two sources: the Employment Development Department (EDD) Covered Employment and Wages (ES-202) data files and a monthly survey conducted by the California Agricultural Statistical Service (CASS) of the U.S. Department of Agriculture (USDA) and the Labor Market Information Division of EDD of 4,200 agricultural employers. The sample was selected to be representative of the state's agricultural employers by size, geographic location, and industry categories. Sample data are gathered for the survey week that includes the 12th calendar day of the month. All data in this bulletin represent activities taking place during this mid-month period. Same month prior year employment data are benchmarked to the ES-202 data files maintained by EDD.

Data Comments:

To aid in accurate usage and interpretation of the data, please note the following:

- **Agricultural Services employment survey data may be recalculated; historical trend information is used to adjust sample data when low response rates occur.**
- Regional data may show greater variability than statewide data because of small sample size and variable reporting patterns in specific industries.
- Current month regional estimates are based on the recorded addresses of owner-operators. Same month prior year regional data are based on worksite locations. Significant differences between regional current month and same month prior year data could result, although statewide totals might be comparable.
- Where data cannot be estimated because of inadequate sample reporting, the letters "na" have been entered into the field to indicate estimates are not available.
- Wage data include wages of supervisors and hired non-production workers (primarily administrative personnel). Piece rate data are also included where applicable.
- Fishing, forestry, and hunting industry data are not included in the Agricultural Services estimates. Unique seasonal industry patterns of employment make producing employment estimates for these industries problematic.
- Employment data do not include employers of unpaid family workers.
- Agricultural workers who are employed by farm labor contractors are reported in Agricultural Services under that industry category. Employment levels in Crop Production and Livestock Production do not reflect their activities in the associated industries that contract with the farm labor contractors.

Total agricultural employment and hourly earnings estimates in this bulletin are derived from the monthly Current Employment Statistics for Agriculture project. Estimates in this bulletin will differ from other agricultural estimates published by EDD and the USDA because of differences in the number of industries covered and in the definition of agricultural workers.

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